

PERNOT THIN TIMBER SALE

PROJECT COST

ROAD NUMBER

SPECIFIED ROAD COST

Timber Sale

Public Works

1800	\$515.30	\$650.00
1831	\$71,191.59	\$84,717.99
1831383	\$40,720.93	\$49,272.33
1831384	\$68,917.70	\$82,012.06

TOTAL SPECIFIED ROAD COSTS

\$181,345.52

\$216,652.38

ENGINEERING DEPOSIT

\$25,795.00

TOTAL

\$207,140.52

Pernot Thin Timber Sale prospectus should show 120 days for award of contract if bidder elects to have the Forest Service reconstruct the roads. If the sale is not sold by 1/30/2011 please advise us so we can modify the Road Completion Date.

REVIEWED BY ZONE ENGINEER:

Chuck Walt

DATE

2/17/11

SCHEDULE OF ITEMS

Timber Sale: Pernot Thin

Name: Hehe Creek

Project: 1831-Reconstruction

Length: 3.27 miles

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SPECIFIED ROAD COSTS
15101	Mobilization	Lump Sum	All	\$19,692.00	\$19,692.00
15201	Construction survey and staking, method 1, tolerance C	Lump Sum	All	\$1,500.00	\$1,500.00
15207	Grade finishing stakes, tolerance C	Mile	0.10	\$8,000.00	\$800.00
20105	Clearing and grubbing, disposal method for tops and limbs f, logs j, stumps f	Lump Sum	All	\$1,523.20	\$1,523.20
20457	Roadway excavation, compaction method B	Cubic* Yard	1800	\$15.19	\$27,342.00
25101	Placed riprap. class 3	Cubic* Yard	60	\$55.11	\$3,306.60
30359	Roadway reconditioning, compaction method B	Mile	3.27	\$863.45	\$2,823.48
32203	Aggregate base, grading D , compaction method B	Cubic* Yard	315	\$37.45	\$11,796.75
60276	18-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	34	\$30.00	\$1,020.00
62509	Mulching	Lump Sum	All	\$1,387.56	\$1,387.56

* denotes contract quantities.

Total \$71,191.59

SCHEDULE OF ITEMS

Timber Sale: Pernot Thin

Name:

Project: 1831383-Reconstruction

Length: 1.99 miles

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SPECIFIED ROAD COSTS
15755	Erosion control & pollution prevention	Each	1	\$406.40	\$406.40
20207	Removal of individual trees, disposal of tops & limbs f , & logs j, stumps f	Each	2	\$75.00	\$150.00
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs f , & logs f	Each	24	\$59.92	\$1,438.08
20358	Removal of corrugated metal pipe, disposal method a	Each	8	\$427.78	\$3,422.24
20419	Drainage excavation, type outlet ditch	Foot	30	\$5.81	\$174.30
20453	Excavation, compaction method B	Each	2	\$2,223.16	\$4,446.32
20457	Roadway excavation, compaction method B	Cubic* Yard	8	\$25.27	\$202.16
23051	Roadside brushing, disposal method 1	Mile	1.99	\$808.97	\$1,609.85
25101	Placed riprap, class 4	Cubic* Yard	21	\$56.33	\$1,182.93
30359	Roadway reconditioning, compaction method B	Mile	1.99	\$2,438.20	\$4,852.02
32203	Aggregate base, grading D , compaction method B	Cubic* Yard	160	\$41.43	\$6,628.80
32222	Pit run maximum size 8-inch, compaction method B	Cubic* Yard	5	\$35.45	\$177.25
60276A	18-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	184	\$25.63	\$4,715.92
60276B	24-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	130	\$26.84	\$3,489.20
60276BB	24-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	50	\$19.11	\$955.50
60276D	48-inch corrugated aluminized steel pipe, .109-inch thickness, method B	Foot	74	\$84.04	\$6,218.96
60604	Anchor, for 24-inch outlet pipe	Each	2	\$60.00	\$120.00
60655	24-inch full circle aluminized steel outlet pipe	Foot	20	\$26.55	\$531.00

* denotes contract quantities.

Total \$40,720.93

SCHEDULE OF ITEMS

Timber Sale: Pernot Thin

Name:

Project: 1831384-Reconstruction

Length: 2.28 miles

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	SPECIFIED ROAD COSTS
15755	Erosion control & pollution prevention	Each	3	\$406.40	\$1,219.20
20207	Removal of individual trees, disposal of tops & limbs f , & logs j, stumps f	Each	4	\$75.00	\$300.00
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs f , & logs f	Each	6	\$65.10	\$390.60
20358	Removal of corrugated metal pipe, disposal method a	Each	14	\$427.78	\$5,988.92
20419	Drainage excavation, type outlet ditch	Foot	40	\$5.81	\$232.40
20453	Excavation, compaction method B	Each	2	\$2,223.16	\$4,446.32
20457	Roadway excavation, compaction method B	Cubic* Yard	330	\$22.02	\$7,266.60
23051	Roadside brushing, disposal method 1	Mile	2.28	\$890.28	\$2,029.84
25101	Placed riprap, class 4	Cubic* Yard	13	\$56.33	\$732.29
30359	Roadway reconditioning, compaction method B	Mile	2.28	\$2,200.00	\$5,016.00
32203	Aggregate base, grading D , compaction method B	Cubic* Yard	389	\$41.24	\$16,042.36
32222	Pit run maximum size 8-inch, compaction method B	Cubic* Yard	55	\$35.45	\$1,949.75
60276A	18-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	330	\$25.63	\$8,457.90
60276B	24-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	170	\$26.84	\$4,562.80
60276BB	24-inch corrugated aluminized steel pipe, .064-inch thickness, method B	Foot	50	\$19.11	\$955.50
60276C	36-inch corrugated aluminized steel pipe, .079-inch thickness, method B	Foot	92	\$62.36	\$5,737.12
60276CC	36-inch corrugated aluminized steel pipe, .079-inch thickness, method B	Foot	50	\$49.17	\$2,458.50
60604	Anchor, for 18-inch outlet pipe	Each	4	\$60.00	\$240.00
60655	24-inch full circle aluminized steel outlet pipe	Foot	40	\$22.29	\$891.60

* denotes contract quantities.

Total \$68,917.70

ROAD 1831384 ESTIMATE OF QUANTITIES

	ROAD NUMBER	1831384		
	PROJECT LENGTH (MILES)	2.28		
PAY ITEM	DESCRIPTION	UNIT	QUANTITIES	REMARKS
15755	Erosion control & pollution prevention	Each	3	Dewatering for culvert installations.
20207	Removal of individual trees, miscellaneous: disposal of tops & limbs f, logs j, stumps f	Each	4	
20253	Removal of individual trees, miscellaneous: disposal of tops & limbs f & logs f	Each	6	Danger trees.
20358	Removal of corrugated metal pipe, disposal method a	Each	14	
20419	Drainage excavation, type outlet ditch	Foot	40	
20453	Excavation, compaction method B	Each	2	
20457	Roadway excavation, compaction method B	Cubic Yard*	330	Use first 75' of Road 1831343 as disposal area for MP 0.05 site, clearing road is indirect to 20457. Slope and shape to drain.
23051	Roadside brushing, disposal method 1	Mile	2.28	
25101	Placed riprap, class 4	Cubic Yard*	13	Material is available from Porcupine rock pit, road 1824163, MP 0.25, sorting required.
30359	Roadway reconditioning, compaction B	Mile	2.28	
32203	Aggregate base, grading D, compaction method B	Cubic Yard*	389	Commercial Source, material is available for purchase at Porcupine rock pit, road 1824163, MP 0.25. In place quantities.
32222	Pit run maximum size 8-inches, compaction method B	Cubic Yard*	55	Commercial Source, material is available for purchase at Porcupine rock pit, road 1824163, MP 0.25. In place quantities.
60276A	18-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	330	
60276B	24-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	170	
60276BB	24-inch corrugated aluminized steel pipe, 0.064-inch thickness, method B	Foot	50	Material only, installation is included in 20457.
60276C	36-inch corrugated aluminized steel pipe, 0.079-inch thickness, method B	Foot	92	
60276CC	36-inch corrugated aluminized steel pipe, 0.079-inch thickness, method B	Foot	50	Material only, installation is included in 20457.
60604	Anchor, for 18-inch outlet pipe	Each	4	
60655	18-inch full-circle aluminized steel outlet pipe	Foot	40	Includes hinged elbow
* Denotes contract quantity				

ROAD 1831384 RECONSTRUCTION SUMMARY

MILE POST	PAY ITEM	QUANTITY	UNIT	DESCRIPTION OF WORK
0.00	23051	2.28	Mile	Junction with road 1831383 at mile post 0.92.
	30359	2.28	Mile	Begin roadside brushing. Begin reconditioning of roadway. Grubbing and disposal of all vegetation and root masses within the road bed and in the ditch is required unless otherwise noted in the work description. Haul material from the cleaning of ditches, inlets and outlets and slough and slide removal to disposal areas. Scatter all logs and woody debris outside clearing limits.
0.05	20457	275	Cubic Yard*	Shift road alignment into hill to staked hinge point. Match subgrade elevation of hinge to existing flow line elevation. Construct road bed with 4% inslope and cut banks with 1v:1.5h slopes. Transition 25' on both sides of station 0+00 and 2+00 back to existing roadway. Logs meeting utilization standards or suitable for firewood shall be limbed, separated and decked adjacent to the work area. Dispose of slash according to subsection 203.05, disposal methods f, g or l. Slope staking is indirect to 20457.
	32203	125	Cubic Yard*	Place 8-inch depth of crushed aggregate for 200 feet with a 16 foot top width over realignment with 25 foot tapers on each end. Blend to adjacent surfaces to provide for smooth transition.
0.15	20358	1	Each	Remove existing CMP.
	60276A	40	Foot	Install 18-inch CMP.
				Change skew to 60° and grade to 8%.
	60655	20	Foot	Install 18-inch full circle outlet pipe, includes hinged elbow.
	60604	2	Each	Install 2 anchor sets.
	32203	14	Cubic Yard*	Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 13 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.32	20358	1	Each	Remove existing CMP.
	60276B	50	Foot	Install 24-inch CMP. Move inlet 10 ft toward center of road.
	32203	18	Cubic Yard*	Place 8-inch depth of crushed aggregate for 25 feet centered over culvert installation with 15 foot tapers on each end and a 15 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.34	60276B	42	Foot	Install 24-inch CMP at 70° skew and 8% grade.
	32203	14	Cubic Yard*	Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 15 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.47	20358	1	Each	Remove existing CMP.
	60276B	36	Foot	Install 24-inch CMP.
	32203	12	Cubic Yard*	Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.48	20253	2	Each	Fall 2 danger trees on right.

ROAD 1831384 RECONSTRUCTION SUMMARY

MILE POST	PAY ITEM	QUANTITY	UNIT	DESCRIPTION OF WORK
0.51	20358	1	Each	Remove existing CMP.
	60276A	34	Foot	Install 18-inch CMP.
	25101	1	Cubic Yard*	Construct energy dissipater, 3L x 3W x 3D.
	32203	11	Cubic Yard*	Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 13 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.57				Junction Road 1831347 left.
0.65	20358	1	Each	Remove existing CMP.
	60276A	30	Foot	Install 18-inch CMP.
	32203	10	Cubic Yard*	Change skew and grade to 80° and 8%. Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 12 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.79	15755	1	Each	Dewater site
	20358	1	Each	Remove existing CMP.
	60276C	42	Foot	Install 36-inch CMP.
	25101	3	Cubic Yard*	Bevel cut inlet (indirect cost to item 60276C). Construct energy dissipater, 6L x 4W x 3D.
	32203	14	Cubic Yard*	Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 18 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.82	20358	1	Each	Remove existing CMP.
	20207	2	Each	Cut and remove marked trees. Deck adjacent to work area.
	60276A	40	Foot	Install 18-inch CMP.
	32203	15	Cubic Yard*	Place 8-inch depth of crushed aggregate for 25 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.87	20453	1	Each	Remove and replace fill. Removal and disposal of existing culvert and required clearing are included in 20453. Dispose of culvert according subsection 20305, method a. Logs meeting utilization standards or suitable for firewood shall be limbed, separated and decked adjacent to the work area. Dispose of slash according to subsection 203.05, disposal methods f, g or l.
	60276BB	50	Foot	Install 24-inch CMP.
	32203	25	Cubic Yard*	Place 8-inch depth of crushed aggregate for 50 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.
0.89				Junction with Road 1831343 left.
	20253	2	Each	Fall 2 danger trees on left.

ROAD 1831384 RECONSTRUCTION SUMMARY

MILE POST	PAY ITEM	QUANTITY	UNIT	DESCRIPTION OF WORK
1.02	15755	1	Each	Dewater site.
	20207	2	Each	Cut and remove marked trees. Deck adjacent to work area.
	20358	1	Each	Remove existing CMP.
	60276C	50	Foot	Install 36-inch CMP. Bevel cut inlet (indirect cost to item 60276C).
	25101	5	Cubic Yard*	Construct energy dissipater, 6L x 4W x 6D.
	32203	15	Cubic Yard*	Place 8-inch depth of crushed aggregate for 25 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.
1.15	20358	1	Each	Remove existing CMP.
	60276A	42	Foot	Install 24-inch CMP.
	32203	15	Cubic Yard*	Place 8-inch depth of crushed aggregate for 25 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.
1.17				Cut through existing dip and blend the cut material to provide a smooth transition out of dip. Work is indirect to 30359.
	32203	12	Cubic Yard*	Place 6-inch depth of crushed aggregate for 30 feet as marked on the ground with 15 foot tapers on each end and a 13 foot top width. Blend to adjacent surfaces and widths to provide for smooth transition.
1.20				Junction with road 1831385 right.
1.22	20457	55	Cubic Yard*	Excavate roadway, 55'L x 9'W x 3'D, as marked on ground by CO. Provide for a 12 foot finished road surface.
	32222	55	Cubic Yard*	Backfill with pitrun. Match adjacent surfaces to provide for a smooth transition.
1.27	15755	1	Each	Dewater site
	20453	1	Each	Remove and replace fill. Removal and disposal of existing culvert and required clearing are included in 20453. Dispose of culvert according subsection 20305, method a. Logs meeting utilization standards or suitable for firewood shall be limbed, separated and decked adjacent to the work area. Dispose of slash according to subsection 203.05, disposal methods f, g or l.
	60276CC	50	Foot	Install 36-inch CMP.
	25101	4	Cubic Yard*	Bevel cut inlet (indirect cost to item 60276C).
				Construct energy dissipater, 6L x 6W x 3D.
	32203	25	Cubic Yard*	Place 8-inch depth of crushed aggregate for 50 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.
1.35	20358	1	Each	Remove existing CMP.
	60276A	30	Foot	Install 18-inch CMP.
	32203	12	Cubic Yard*	Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 14 foot top width. Blend to adjacent surfaces to provide for smooth transition.

ROAD 1831384 RECONSTRUCTION SUMMARY

MILE POST	PAY ITEM	QUANTITY	UNIT	DESCRIPTION OF WORK
1.41	20358 60276A 32203	1 34 11	Each Foot Cubic Yard*	Remove existing pipe. Install 18-inch CMP. Change skew to 70° and 8% grade. Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 12 foot top width. Blend to adjacent surfaces to provide for smooth transition.
1.51	60276A 60655 60604 32203	30 20 2 10	Foot Foot Each Cubic Yard*	Install 18-inch CMP at 90° skew and 6% grade. Install 18-inch full circle outlet pipe, includes hinged elbow. Install 2 anchor sets. Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 12 foot top width. Blend to adjacent surfaces to provide for smooth transition.
1.57	20358 60276A 32203 20253	1 28 11 1	Each Foot Cubic Yard* Each	Remove existing pipe. Install 18-inch CMP. Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 13 foot top width. Blend to adjacent surfaces to provide for smooth transition. Fall 1 danger tree left.
1.69	20253	1	Each	Fall 1 danger tree left.
2.01	20358 60276A 32203	1 32 10	Each Foot Cubic Yard*	Remove existing CMP. Install 18-inch CMP. Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 12 foot top width. Blend to adjacent surfaces to provide for smooth transition.
2.08				Disposal area right.
2.11	20358 60276A 20419 32203	1 32 30 10	Each Foot Foot Cubic Yard*	Remove existing CMP. Install 18-inch CMP. Construct outlet ditch. Place 8-inch depth of crushed aggregate for 15 feet centered over culvert installation with 15 foot tapers on each end and a 12 foot top width. Blend to adjacent surfaces to provide for smooth transition.
2.17	20419	10	Foot	Construct outlet ditch.
2.28				Junction with road 1831395 left. End of project.